FIG. 1

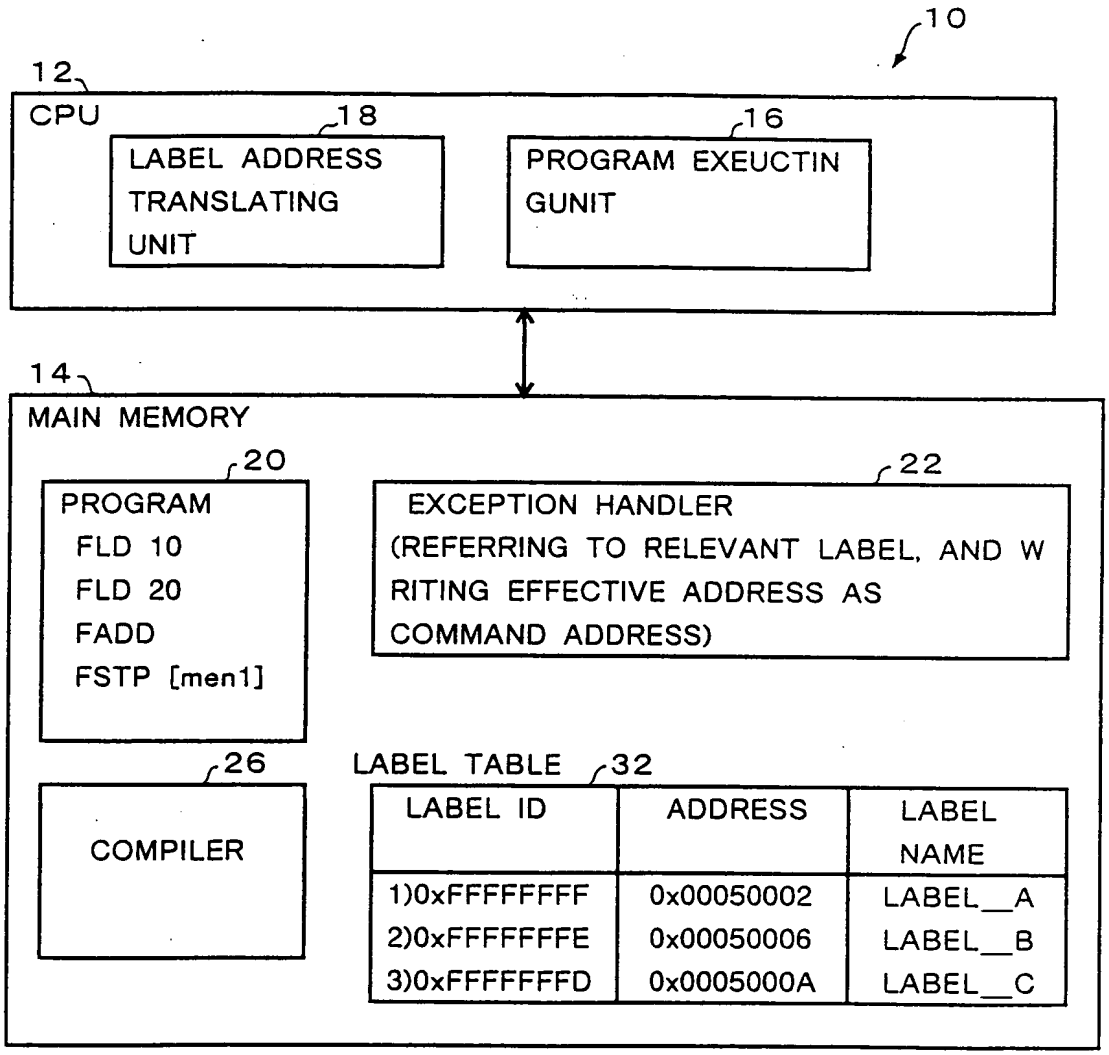

10
12
CPU
18
LABEL ADDRESS TRANSLATING UNIT
16
PROGRAM EXEUCTIN GUNIT
14
MAIN MEMORY
20
PROGRAM
FLD 10
FLD 20
FADD
FSTP [men1]
22
EXCEPTION HANDLER
(REFERRING TO RELEVANT LABEL, AND W RITING EFFECTIVE ADDRESS AS COMMAND ADDRESS)
26
COMPILER
LABEL TABLE
32
LABEL ID
ADDRESS
LABEL NAME
1)0xFFFFFFFF
0x00050002
LABEL__A
2)0xFFFFFFFE
0x00050006
LABEL__B
3)0xFFFFFFFD
0x0005000A
LABEL__C

FIG. 2

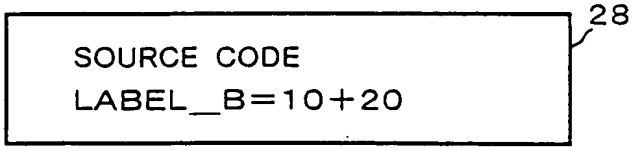

28
SOURCE CODE
LABEL_B=10+20

FIG. 3

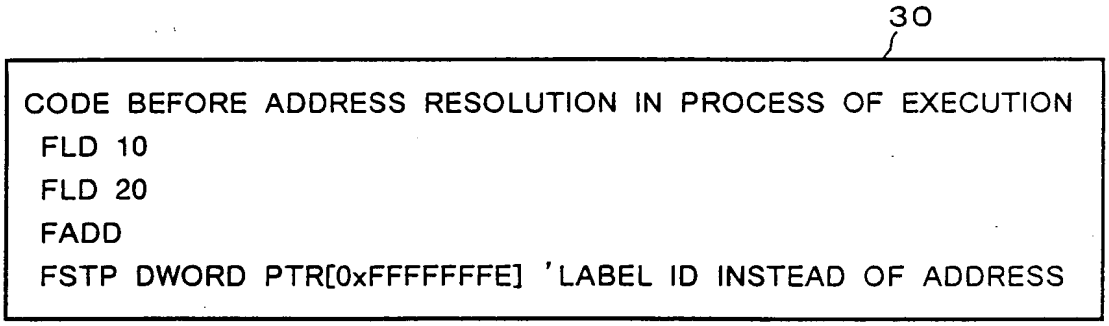

30
CODE BEFORE ADDRESS RESOLUTION IN PROCESS OF EXECUTION
FLD 10
FLD 20
FADD
FSTP DWORD PTR[0xFFFFFFFE] 'LABEL ID INSTEAD OF ADDRESS

FIG. 4

32

LABEL ID	ADDRESS	LABEL NAME
1)0xFFFFFFFF	0x00050002	'LABEL__A
2)0xFFFFFFFE	0x00050006	'LABEL__B
3)0xFFFFFFFD	0x0005000A	'LABEL__C

FIG. 5

```
CODE BEFORE ADDRESS RESOLUTION IN PROCESS OF EXECUTION
  FLD 10
  FLD 20
  FADD
  FSTP DWORD PTR[0x00050006]
```

FIG. 6

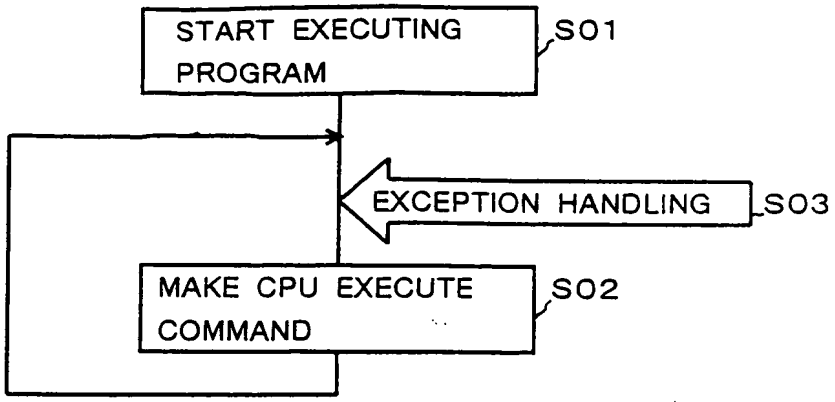
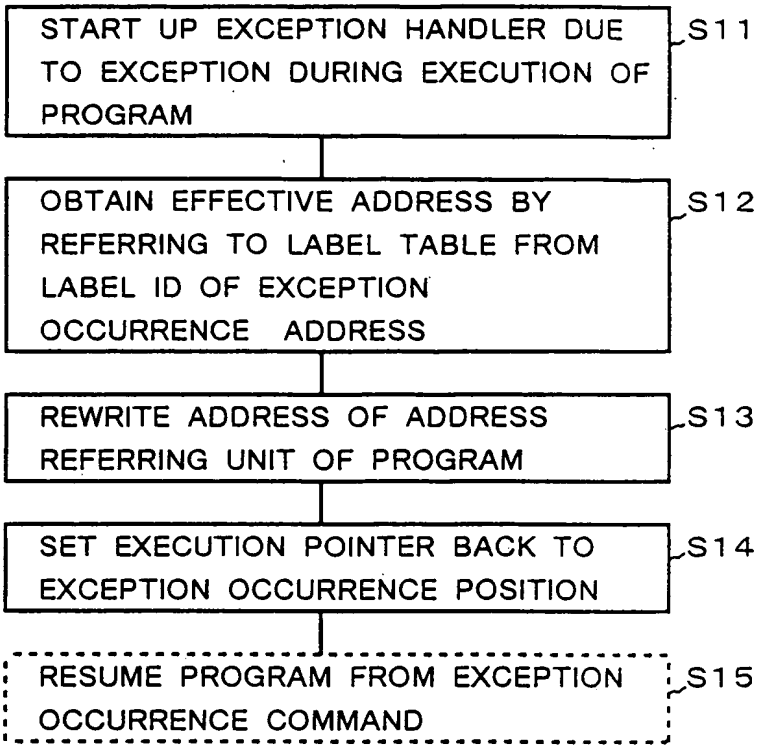

START EXECUTING PROGRAM
S01
EXCEPTION HANDLING
S03
MAKE CPU EXECUTE COMMAND
S02

FIG. 7


START UP EXCEPTION HANDLER DUE TO EXCEPTION DURING EXECUTION OF PROGRAM
S11
OBTAIN EFFECTIVE ADDRESS BY REFERRING TO LABEL TABLE FROM LABEL ID OF EXCEPTION OCCURRENCE ADDRESS
S12
REWRITE ADDRESS OF ADDRESS REFERRING UNIT OF PROGRAM
S13
SET EXECUTION POINTER BACK TO EXCEPTION OCCURRENCE POSITION
S14
RESUME PROGRAM FROM EXCEPTION OCCURRENCE COMMAND
S15